# DELTA RMP: DEVELOPING A DELTA REGIONAL MONITORING PROGRAM FOR CONTAMINANTS

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> http://www.waterboards.ca.gov/centralvalley/water\_issues/delta\_water\_quality/comprehensive\_monitoring\_program/index.shtml

# Vision

The Delta RMP will improve coordination of monitoring and assessment in and around the Delta. It will make monitoring more useful and cost-effective to all participants by creating efficiencies and addressing important management questions concerning water supply and the ecosystem, such as status and trends in contaminant concentrations.

### Goal

To implement an integrated monitoring framework that will address the need for comprehensive regional assessment, while meeting the following objectives:

- use the pilot phase (Phase I) as a proof of concept that sets the stage for a long-term program
- compile, synthesize, and report data regularly
- answer important questions that require a comprehensive, regional view

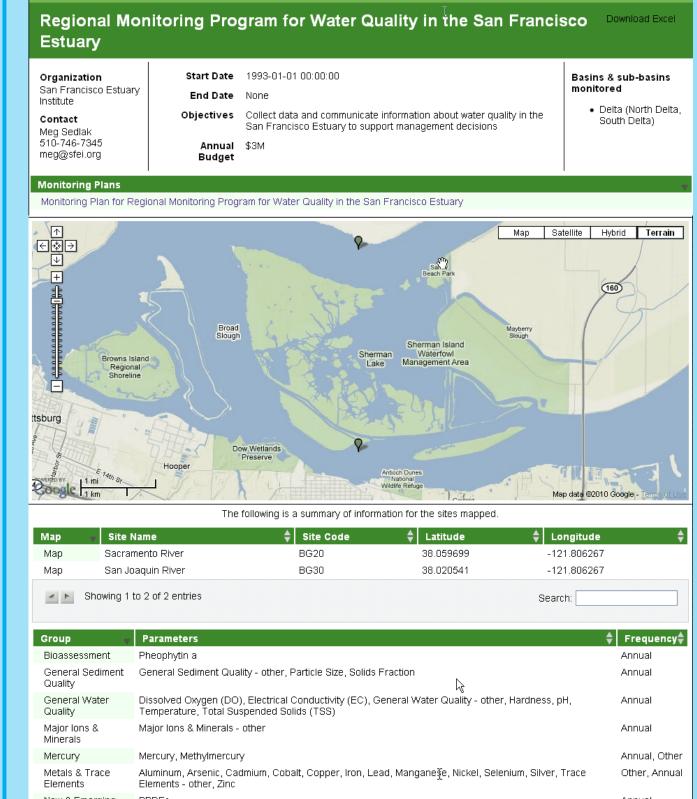
# Stakeholders



# Milestones



The purpose of the monitoring directory is to promote and facilitate improved coordination of water quality monitoring across the Central Valley Delta watershed.



New & Emerging Viewer Aluminum, Arsenic, Cadmium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Organochlorine Pesticides, Annual PAHs, PCBs, Sediment Chemistry - other, Sediment Organic Contaminants - other, Sediment Trace Element

Showing 1 to 5 of 5 entries

Sub Basins ⊙ All ○ Delta ○ North Delta ○ Northeast\_Basin ○ South\_Delta

Michael Johnson et al prepared a report to compile

and review available data to determine if there are

sufficient data to characterize the extent and role of

contaminants in the POD. During the analysis, the

author concluded that for most data there is/are:

**Analytical issues and QA/QC problems** 

**Existing monitoring design limitations** 

**Shortcomings with the current** 

**Poor documentation** 

monitoring approach

**Inaccessible data** 

#### Program **Information Pages**

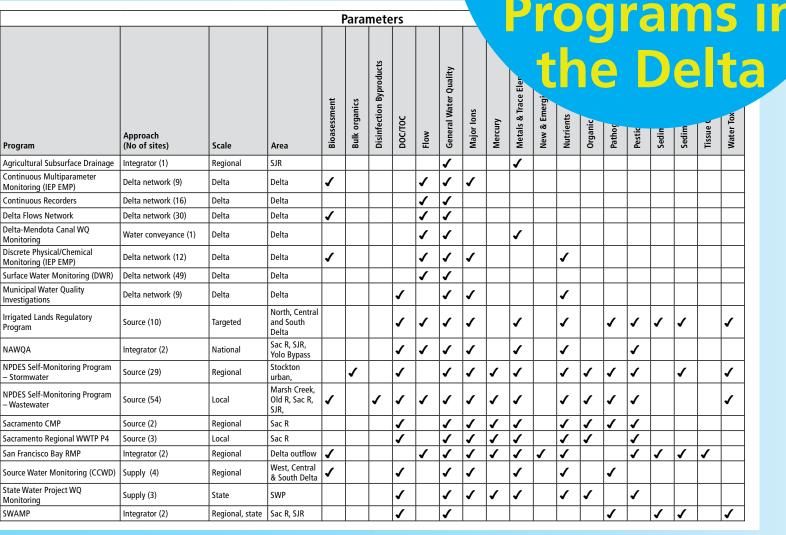
- **Each program or** project has its own page, providing information on monitoring objectives, contacts, sites, parameters, and data availability
- Program managers get password access to update their own monitoring information

## **Monitoring Mapping**

A navigable map showing monitoring locations in the **Central Valley Delta** Watershed reported to the Monitoring **Directory. Displays** monitoring sites and information selectively by program, sampling location, or parameter.

POD Synthesis **Analysis:** Lessons Learned

# of Existing Water Quality Monitoring Programs in



**Delta water quality monitoring approaches and parameters** 

**Aquatic Science Center has prepared a draft report** summarizing the existing monitoring in the Delta. The monitoring directory was used as a tool to identify, compile, and inventory information on existing monitoring. The report features summary tables and maps. Examples are the summary table (above) and overview map displayed (right).

### Stakeholder Working Groups

#### Proposed **Strategy**

#### **Monitoring Objectives** Agree on questions to

answer immediately and develop a long-term objectives framework.

### **Data Integration** Determine suitable ap-

proaches for data integration and interoperability to enable a more comprehensive view of crosscutting challenges faced in the Delta, such as the Pelagic Organism Decline (POD).

#### Framework **Alternatives**

#### Governance

**Recommend governance** options that fit with the program vision and goals.

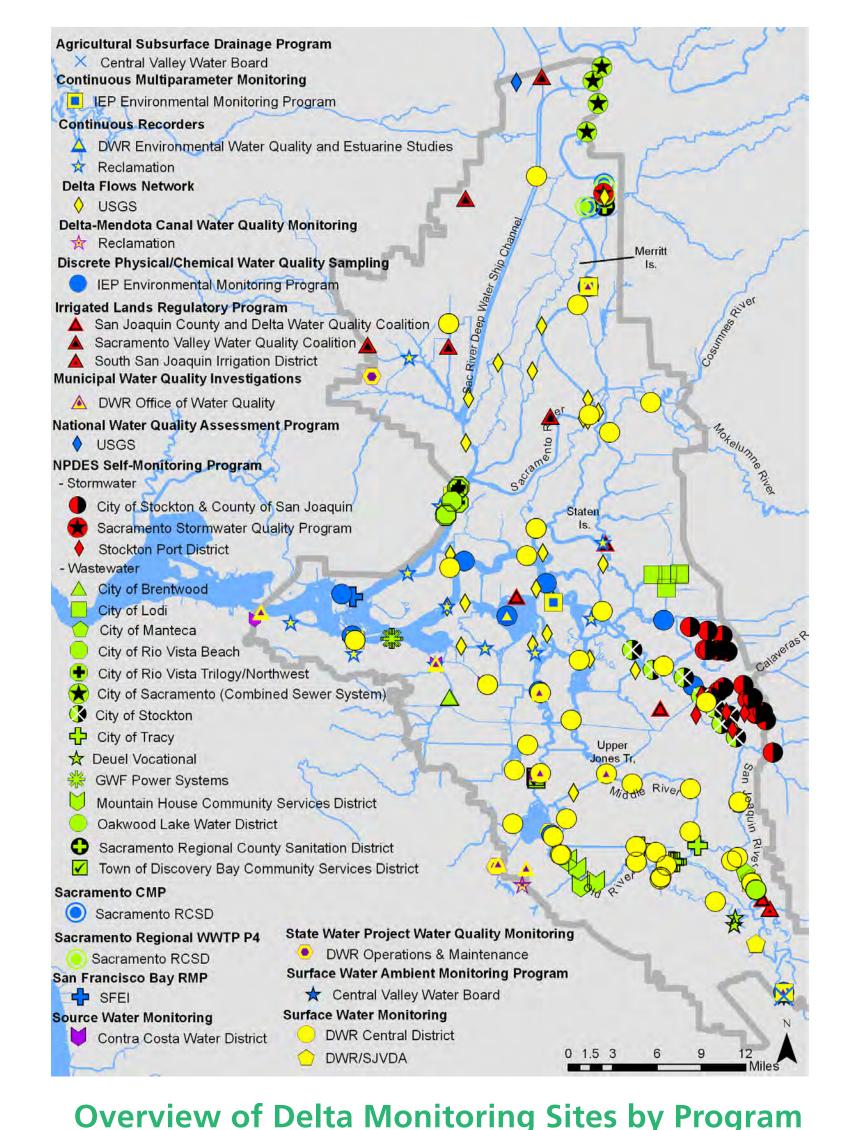
### **Funding**

**Identify appropriate** funding models for the Delta RMP.

#### **Coordination with**

**Other Programs Identify specific** opportunities for sampling coordination and logistic partnerships and work towards a coordinated monitoring strategy.

# Water Quality Monitoring in the Delta









Resources **Control Board** 

**Central Valley Regional Water** Dr. Brock **Quality Control** Bernstein

# The Scoop

- Stakeholder participants are nearly unanimous in calling out the benefits of a more regionally coordinated approach to monitoring and assessment.
- Strawman proposals for key topics are available on the Delta RMP website for comment.
- Technical workgroups and additional stakeholder meetings are planned to develop reasonable solutions to identified data management issues and discuss governance options and monitoring questions.
- A communication product providing an overview of RMP activities will be developed, with stakeholder input for a broad audience. This product is slated for distribution later this year.
- Regional Water Board staff plan to continue the exchange of ideas with stakeholders through various methods. If you are interested in getting involved or have any questions, please contact Meghan Sullivan at (916) 464-4858.

#### Draft Program Plan

The RMP Planning Team has prepared a draft program plan to guide development and implementation of the RMP in the coming years. The plan details the necessary elements and the proposed strategy moving forward. It is currently available for comment.